

**Amendments to the Claims**

1. (Currently amended) An isolated nucleic acid molecule encoding CA125 (SEQ ID NO:5) or a fragment thereof, wherein the isolated nucleic acid molecule encodes a polypeptide comprising residues 1-10,427 of SEQ ID NO:5 or a fragment of residues 1-10,427 of SEQ ID NO:5 recognized by an antibody that selectively binds to SEQ ID NO:5.

2. (Original) The isolated nucleic acid molecule of claim 1 comprising the sequence of SEQ ID NO: 4.

3-20. Canceled.

21. (New) The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule comprises SEQ ID NO:1 or a fragment thereof.